



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mustafa Michael Pinarbasi

Attorney Docket #: HSJ9-2003-0028US1

Serial No.: 10/676,472

Group No.: 2651

Filing Date: September 30, 2003

Title: "MAGNETORESISTIVE SENSOR FOR MAGNETIC HEAD HAVING  
MINIMIZED SPACING BETWEEN HARD BIAS ELEMENTS AND FREE MAGNETIC  
LAYER"

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LETTER TO THE OFFICIAL DRAFTSMAN

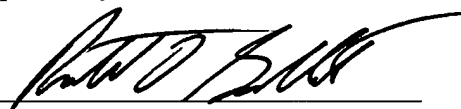
ATTN: Official Draftsman  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Subject to the approval of the Examiner, please substitute the enclosed 7 sheets of  
formal drawings for the informal drawings originally filed with the application.

Date: January 7, 2004

Respectfully submitted,

By 

ROBERT O. GUILLOT


Reg. No. 28,852

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CERTIFICATE OF MAILING (37 CFR 1.8(a))

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail  
in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.

Date: January 7, 2004

  
Patricia Beilmann